# CSCI 3308: 203-4 Sports Stats Master

sportsstatsmaster.com

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# Goal

To create a website that makes accessing and viewing sports statistics more simple and easy.

# Methodologies

Agile method

Pair coding

Peer code reviews

Jira

# Tools used

Flask - web framework in Python

SQLite - Database management

HTML/CSS - frontend

Pandas - Data management

Chart.js - Javascript library for data visualization

Git - version control

Ranking: 5
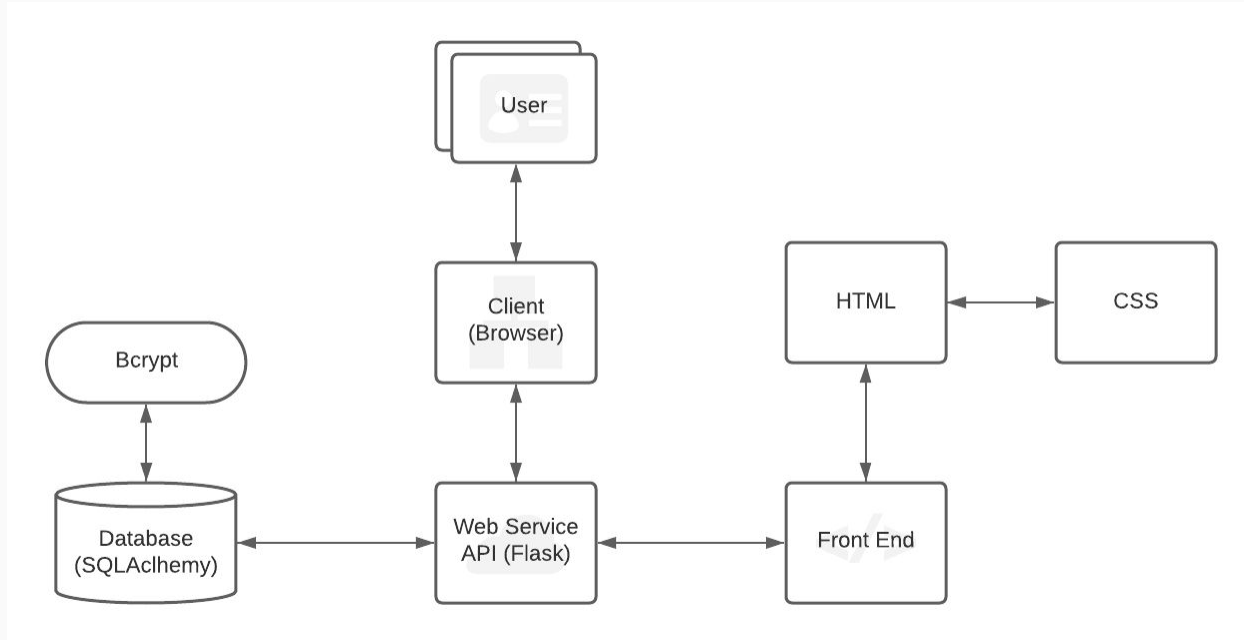
Ranking: 5

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# Expected Tools:

- Heroku - Website Hosting
- Gunicorn - Python Web Server Gateway
- Flask-specific plugins: pyChart.JS

# Architecture Diagram

# Functionalities

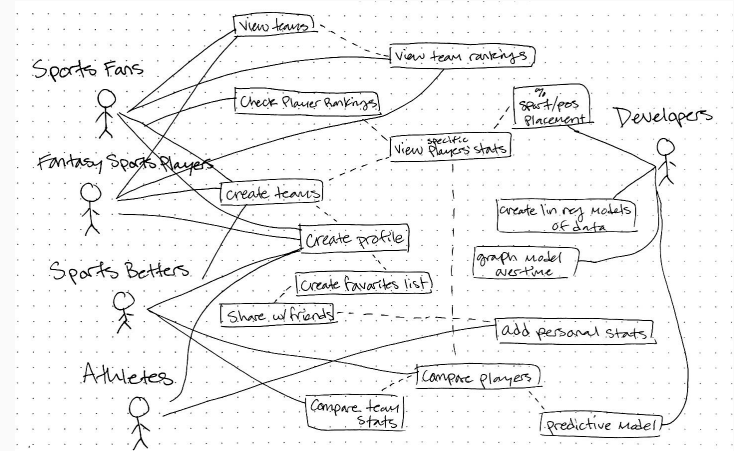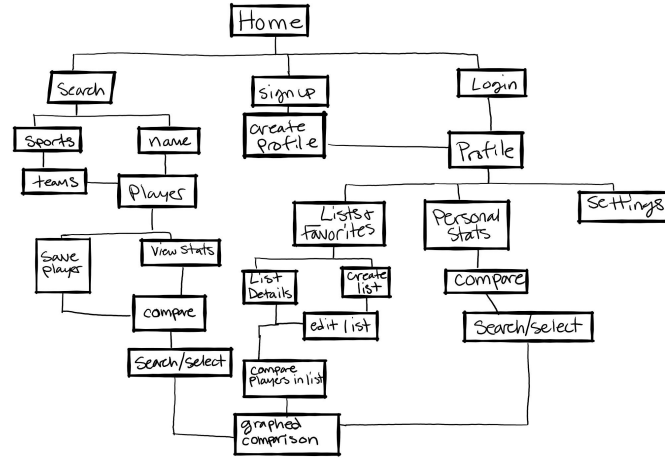Profile Creation

Pull and Display Data

Download Sports Data

Compare/Visualize Data

Search for Specific Player Info

Share and Browse Data/Graphs



Project Map

# Demo

# Challenges

- Reading CSV files into the database and accessing certain queries through an ODBC Driver
  - Instead wrote a python script to read in the CSV to write an HTML table with the proper information
- Getting valid data from the library, passing to HTML from Flask.
- Integration of Stack

# Further Improvement and Q&A